

LEGAL NOTICE

TOWN OF TIVERTON, RHODE ISLAND **INVITATION TO BID**

Cable Type Catch Basin Cleaner

The Town of Tiverton, Rhode Island, is soliciting bids from qualified dealers for the purchase of a new cable type catch basin cleaner for the Department of Public Works, in accordance with specifications.

Bid documents for the cleaner may be obtained at the Office of the Town Clerk, Town Hall, 343 Highland Road, Tiverton, Rhode Island 02878 between 8:30 AM and 3:00 PM., Monday through Friday or online at www.tiverton.ri.gov.

Sealed envelopes containing Bids must be marked “**Catch Basin Cleaner**” on the outside and received at the office of the Town Clerk at or before **2:00 PM** on **Thursday – September 15, 2016** at which time they will be publicly opened and read in Town Council Chambers.

The Town of Tiverton reserves the right to reject any and all bids, to waive minor informalities or irregularities in any bid, and to make an award in any manner consistent with law and deemed to be in the best interest of the Town of Tiverton.

The Town of Tiverton is an Equal Opportunity Employer (EEO/AA).

Nancy L. Mello, Town Clerk

INVITATION TO BID
CABLE TYPE CATCH BASIN CLEANER

INSTRUCTIONS TO BIDDERS

All bidders, by the submission of their bid, covenant to be bound hereby and to perform in accordance with these instructions and conditions, as well as the invitation to bid and the specifications.

1. Any guarantee and/or warranties shall be stated in the bid.
2. Bids shall be filed in a sealed envelope bearing the title "Catch Basin Cleaner" on the outside of the envelope. Its duly authorized representative must sign bids in the name of the bidding company.
3. Bids shall not be qualified in any manner.
4. Whenever an item is named or described, an item "equal" thereto may be furnished.
5. The awarding authority will make full payment within thirty (30) days of delivery and acceptance..
6. The contract shall be awarded to the responsible and responsive bidder who offers the Cable Type Catch Basin Cleaner at the lowest bid price. The awarding authority may reject any and all bids, if it is in the public interest to do so.
7. Purchases made by the Town of Tiverton are exempt from payment of Federal Excise Taxes and Rhode Island Tax on Retail Sales.
8. Delivery shall be made within 30 days of notice of award or approved extension date.

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CABLE TYPE CATCH BASIN CLEANER

TERMS

1. The Town of Tiverton requests sealed bids for furnishing one (1) new Cable Type Catch Basin Cleaner, as hereinafter specified, to the Tiverton Department of Public Works. The equipment sought completes an in-house custom assembly and therefore must strictly comply with product specifications, which are for the Stetco Model 950T/13 or its equivalent..
2. Payment for the equipment shall be made upon delivery and acceptance of the equipment, F.O.B. Tiverton Department of Public Works, 50 Industrial Way, Tiverton, Rhode Island 02878.
3. Detailed specifications including descriptive literature of the equipment being furnished shall be included with the bid. A detailed list of exceptions being taken from the original minimum specification and the reason for the exception shall be included with the bid.
4. A detailed statement of all guarantees of material or workmanship applying to the equipment being offered must be submitted with the bid.
5. The bidder's attention is directed to the fact that all applicable State, Town, and Federal Laws and regulations and the rules and regulations of all authorities having jurisdiction shall apply and they will be deemed to be included in any contract, the same as herein written out in full. At the time of the opening of bids, each bidder will be presumed to be thoroughly familiar with the equipment bid and the documents, including all addenda. Failure or omission of any bidder to examine any form, instrument or document, trade-in equipment, or delivery requirement shall in no way relieve the bidder from any obligation with respect to the bid.

Sealed bids, clearly marked "Catch Basin Cleaner", shall be received at the Office of Town Clerk, Town Hall, 343 Highland Road, Tiverton, Rhode Island 02878, at or before 2:00 PM on Thursday, September 15, 2016, at which time the bids will be publicly opened and read. Bids received after that hour will not be considered. The Town reserves the right to reject any or all bids, or to accept the bid it deems in the best interest of the Town.

6. Any exception taken by a bidder to any provision of the procedures or specifications herein established shall be set out and so stipulated, with enough explanation to be completely understood by the Town, and within the stipulation, the increase or decrease in the bid price because of the exception shall be stated. Proposals that are found to have deviations without listing them may be rejected.
7. The contract shall be awarded to the responsible and responsive bidder who offers the Cable Type Catch Basin Cleaner at the lowest bid price, and the awarding authority may reject any and all bids, if it is in the public interest to do so.
8. Determination of Responsibility
 - a. The Town, in considering each proposal, shall, prior to any determination and subsequent award, investigate and evaluate the contractor to determine whether the contractor is responsible. Consideration may be given to references and other available information indicating the contractor's prior experience in providing similar services, the financial and organizational status of the contractor, and the contractor's prior compliance with the applicable laws, ordinances, rules and regulations. No contract will be awarded to any contractor who, as determined by the Town, is not qualified to perform satisfactory service due to an unsatisfactory record or inadequate experience, or who lacks the necessary capital, organization, or equipment to conduct and complete the services in strict accordance with the specifications.
 - b. After the opening of sealed proposals, but before the award is made, the Town may require additional information, either technical or general, from any of the qualified contractors in order to determine the award. This information shall be supplemental in nature and may not add to, detract from, or conflict with the contents of the original sealed proposal
 - c. No provision in this request for proposals should be construed to require an award to a contractor who submitted background information, when investigated and verified by the awarding authority, raises significant questions as to its ability to successfully provide the service required.
9. Purchases made by the Town of Tiverton are exempt from payment of Federal Excise Taxes and Rhode Island Tax on Retail Sales.
10. A Bid Bond in the amount of five (5) percent of the bid price shall accompany each bid. Bids submitted without a bid bond will not be read. An Insurance Company registered with Insurance Commissioner of this State must issue the Bid Bond. A Clerk's certificate must accompany the Bid to signify that an authorized Company Officer signs the Bid Bond. Bonds issued by non-registered or foreign Insurance Companies will be immediately rejected. A certified cashier's check in the amount of five (5) percent of the bid price may be submitted in lieu of a bid bond.

11. These specifications, together with any other documents required herein, shall be included in the final contract. Each bidder shall submit a copy of his proposed contract form.
12. The bidder shall certify and warrant that all major components offered are compatible with each other, and are approved for the application, by both the component manufacturer and the chassis manufacturer, for the intended use. The bidder acknowledges that the Town will rely upon the expertise, skill and judgment of the bidder in offering and furnishing suitable equipment, which will perform satisfactorily for all intended uses.
13. If equipment is delivered with deviations from specifications or required servicing, the Town of Tiverton will not accept delivery.
14. The bidder shall submit with his bid-detailed specifications, circulars, and all data necessary to describe all equipment offered and to demonstrate conformance with this specification. The Town of Tiverton, however, reserves the right to request any additional information deemed necessary for proper evaluation of bids. If the equipment offered differs from the provisions of this specification and the proposal, such difference deviations must be described in detail. The Town will determine if the deviations do not depart from the intent of the specification and proposal and are in the best interest of the Town of Tiverton.

Should the equipment offered differ from the specifications and the proposal, the Town of Tiverton may require a side-by-side competition with a machine meeting these specifications. Demonstration parameters and results will be determined by the Town and will be considered in making a bid award.

15. The proposed bid shall be the firm price for the lease/purchase option of the specified catch basin cleaner, delivered to the Tiverton Department of Public Works, 50 Industrial Way, Tiverton, Rhode Island 02878.

INVITATION TO BID
CABLE TYPE CATCH BASIN CLEANER

SPECIFICATIONS

Please see attached detailed specifications.

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BID FORM

Manufacturer/Model: _____

Price Proposal for Equipment, as Specified: _____
Dollars and Cents

Guaranteed delivery time in days after bid award: _____

The undersigned company agrees to furnish unit as specified at the price quoted in the amount of time guaranteed. The required Bid Surety is attached. Bid prices are guaranteed for thirty (30) days.

COMPANY: _____

ADDRESS: _____

CITY, STATE, ZIP: _____

SIGNATURE: _____

PRINTED NAME OF
AUTHORIZED REPRESENTATIVE: _____

TITLE: _____

TELEPHONE: _____

DATE: _____

Cable Type Catch Basin Cleaner
Town of Tiverton, RI DPW

INTENT: The intent of this specification is to describe a cable type catch basin cleaner such as Stetco model 950T/13 or equal.

Any and all deviations from specifications must be so noted on a separate sheet so named "exceptions". This sheet must be submitted with bid proposal.

All steel used in catch basin cleaner shall meet or exceed ASTM A656 gr. 50. Certain components may be made from ASTM A656 gr. 80. All weldments shall be in accordance with ANSI/AWS D14.3 standards. Rotoblast stress relief/prep steel shot process shall be used on all plate and tubular material at the piece part level. Cleaner shall be designed with solid modeling design software to ensure proper tolerances and fit. Finite element analysis shall be employed with strain gauge testing to verify load and stress points on all structural components. All applicable ANSI B30 standards shall be met as well as applicable ANSI standards for wire rope and components.

Upon request, bidders shall provide annotated duty cycle testing to 100,000 loaded cycles of boom and bucket within three business days. Computer simulation modelling is unacceptable.

1. **Base:** The base must be designed so it may be mounted in a space between the cab and body of not more than 36". The base itself shall have internal reinforcing plates manufactured of no less than .375" plate and welded in place for added strength. The base of the unit shall have a 3-point suspension design to absorb stresses from operation on uneven ground.
2. **Rotation:** The boom shall swing hydraulically throughout not less than 370°. The swing assembly must be of the rack and pinion type equipped with two relief valves to protect the unit from damage due to overload. Heavy duty rack and pinion must function in presence of contamination such as sand and salt. Ball bearing rotation system is NOT acceptable. The swing assembly must be located at the base of the unit to enable the operator to have an unobstructed visibility for safe operation and to keep the center of weight low for good stability. A grease manifold shall be located on the driver's side of base to facilitate complete lubrication of base rotation systems.
3. **Mast:** The main mast and boom assemblies shall rotate as a unit in socket with a single 12"x 7" bronze bushing affording approximately 260 sq. in. of bearing surface for extended long life and stability. The mast must be centrally located on the truck chassis to assure equal boom reach on both sides of the truck and also to assure proper and equal weight distribution. The mast must be manufactured of two .750" side plates and one 0.5" end plate and welded together. Both operating stations must be visible to an operator on either side of the chassis for safe operation.
4. **Boom Assembly and Extender Cylinder:** The boom must be of the telescoping type (articulating type not acceptable), not less than 13' in length, including main boom with jib extended. The main boom must be manufactured of not less than 8"x 6" x .250" rectangular stock. The jib extender section must extend and retract hydraulically from approximately 8' to 13' by means of a double acting cylinder assembly. This cylinder assembly must be located externally for ease of service and to permit the addition of manual boom extensions. At the end of the boom a bronze bushed pivoting friction piece must be furnished to prevent excessive cable wear and sharp bends in cable itself.

5. **Winch:** A hydraulic planetary winch shall be mounted as an integral part of the main boom reinforcing side plates at the heel of the rear boom to provide protection from overhead obstructions. It shall be of cantilever design to prevent possible binding. The winch must be equipped with a hydraulically released spring applied brake and counter-balance valve for fail safe operation. At a lifting speed of approximately 200 FPM the winch shall have a single line lifting capacity of no less than 1800 lbs. There shall be no less than 90' of .375" cable on the winch drum and a full steel winch drum cover for operator safety and protection.
6. **Hose Reels:** Two hose reels, each containing not less than 90' of 1/2" I.D. two wire braid rubber covered hose with wear cuff. Dripless 1/2" quick disconnect fittings shall also be supplied. The hose reels must be capable of providing operation of approximately 75' below ground level.
7. **Cylinders:** The main lift cylinder must be no less than 5" in diameter and equipped with safety valves to prevent the boom and load from dropping suddenly in the event of hydraulic line failure. The rod cylinder ends of the main lift assembly must be equipped with self-aligning ball bushings to prevent excessive side loading of the piston and gland nut. All cylinders must have a minimum wall thickness of .250". All piston rods must have a hard-chrome polished finish and O-ring and wear ring seals to assure long life and prevent sudden failure. Each cylinder rod must be equipped with a scraper-wiper to prevent foreign matter from entering the cylinder assembly. The I.D. of the cylinders must be honed and the hydraulic seals must be capable of withstanding pressures of not less than 5,000 PSI.
8. **Controls:** Two sets of separate levers for identical operation of sectional control valves for each individual unit function such as the winch, main boom, extender section, dump body, swing, and bucket operation must be provided. These controls must be vertically arranged and within easy reach of the operator for comfortable and safe operation. The control valve must be of open-center design and have built-in safety by-pass valves to limit the pressure for lifting, swinging, extender, etc. and a separate by-pass valve to limit the pressure for opening and closing the bucket. The control valve must be suitable for pressures up to 2200 PSI and not less than 13 GPM oil flow. The sectional control valves must be designed so that two functions can be operated simultaneously, without any appreciable loss in power or speed, such as bucket and winch-"squeeze & lift".
9. **Reservoir and Filtration:** A 17" x 23" x 23" 37 gallon oil tank manufactured of not less than 12 gauge hot rolled steel shall be furnished and installed. The tank shall have a baffle between the suction and the discharge ports to prevent the by-passing of oil and to produce a good cooling effect. The tank shall have a minimum of 5 1/2" diameter clean out opening that will also house a 10 micron immersed return filter with 25 PSI bypass. The tank shall also come equipped with a 1/4 turn filler breather cap and wire basket strainer, a sight level gauge and a magnetic drain plug with sump in the bottom of the tank.
10. **Power:** The power for operation of the unit is to be derived from the truck transmission through a PTO (Hot shift System) - Direct coupled to Hydraulic Pump (Drive shaft is not acceptable).
11. **Bucket:** The bucket for the unit shall be of the double acting type. Bucket must be so constructed that the opening motion, not exceeding 63°, will cause full discharge of material. Blades must be die stamped in lieu of cast with a thickness of not more than 3/8 of an inch. All bushings to be hardened steel and all the pins to be a minimum of .625" in diameter. The construction of the top of the bucket must be of an open design to minimize weight and to assure optimum upright stability.

The following bucket shall be furnished.	Stetco (no exceptions)
Closed outside dimension	15"
Maximum blade opening	43"
Closed height	53"
Open height	48"
Capacity	1.8 Cubic Foot
Weight	280 lbs

12. **Body Dumping Safety Device:** A mechanical-hydraulic body dumping safety device must be

furnished and installed that will prevent body dumping until after the boom has been swung approximately 90 degrees to either side of the vehicle or over the front of the truck chassis.

13. **Boom-Up Alarm:** A red light must glow in the dashboard when the unit boom is elevated above a safe travel height of approximately 12 feet above ground level.
14. **Loader Capacity:** The unit must have the following capacities (when boom itself is used for lifting):
 - 5' Radius-----8,260 lbs.
 - 10' Radius-----4,130 lbs.
 - 13' Radius-----2,850 lbs.
15. **Performance:** At a maximum of 1,200 RPM the unit must be able to safely perform one (1) cycle in a period of time not to exceed 25 seconds. One cycle shall consist of the following functions.
 - A) Lifting an open bucket from inside the dump body to a minimum height of approximately 9' above the ground.
 - B) Closing the bucket.
 - C) Swinging the boom not less than 45 degrees from the center line of the unit.
 - D) Lowering the bucket to ground level.
 - E) Opening and closing bucket 2 to 3 times to simulate loading of bucket.
 - F) Raising the bucket back to approximately 9' above the ground.
 - G) Swinging the boom back over the center of the body.
 - H) Lowering the bucket to 2' above the body.
 - I) Opening the bucket to simulate discharge of material from the bucket.
 - J) Setting the open bucket in the original starting position within the body.
16. **Paint:** Stetco 950 s shall be painted Omaha Orange Code # 0311
17. **Hydraulic's for dump body :** all hydraulic lines must be furnished and installed to accommodate customer installation of dump body.

Any bidder must list (5) Contractor, Town, City or State Agency that currently operate a cable style catch basin cleaner in the state of Rhode Island - Model of equipment bid to the Town of Tiverton DPW.

<u>LOCATION</u>	<u>NO. OF</u> <u>UNITS SOLD</u>	<u>Model of unit</u>
1)		
2)		
3)		
4)		
5)		

END OF SPECIFICATION —